

Serial No.: 09/943,919
Inventor(s): Li et al.

U.S. PTO Customer No. 25280
Case No.: 5312

AMENDMENTS TO THE CLAIMS

What Is Claimed Is:

1-25. (Canceled)

26. (Previously presented) A printed article manufactured by the method comprising:

- (a) providing a textile substrate having a first side and a second side, and
- (b) applying a treatment mixture to said first side of said textile substrate, said treatment mixture comprising: (i) a reactive dye fixing/receiving composition, said dye fixing/receiving composition including an amine-containing cationic compound, said dye fixing/receiving composition being disposed upon said first side of said textile substrate, and (ii) a UV absorber, thereby forming a treated textile substrate; and
- (c) heating said treated textile substrate to a temperature of at least about 100 degrees Centigrade, thereby facilitating the activation and bonding of said amine-containing cationic compounds to fix said amine-containing compounds upon said textile substrate; and
- (d) applying an ink having an anionic colorant upon said first side of said treated textile substrate to form a printed substrate, thereby facilitating chemical interaction of said anionic colorant with said amine-containing cationic compound;

wherein said amine-containing cationic compound of said treatment mixture comprises a charge density of at least about 2 milliequivalents per gram.

27-36. (Canceled)

37. (Previously Presented) A printed article manufactured by the method comprising:

- (a) providing a textile substrate having a first side and a second side, and
- (b) applying a treatment mixture to said first side of said textile substrate, said treatment mixture comprising: (i) a reactive dye fixing/receiving composition, said dye fixing/receiving composition including an amine-containing cationic compound, said dye fixing/receiving composition

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being disposed upon said first side of said textile substrate, and (ii) a UV absorber, thereby forming a treated textile substrate; and

- (c) wherein said UV absorber comprises from about 0.1% to about 10% by weight of said article; and
- (d) applying an ink having an anionic colorant upon said first side of said treated textile substrate to form a printed substrate, thereby facilitating chemical interaction of said anionic colorant with said amine-containing cationic compound;

wherein said amine-containing cationic compound of said treatment mixture comprises a charge density of at least about 2 milliequivalents per gram.

38-47. (Canceled)

48. (Previously presented) A printed article manufactured by the method comprising:

- (a) providing a textile substrate having a first side and a second side, and
- (b) applying a treatment mixture to said first side of said textile substrate, said treatment mixture comprising: (i) a reactive dye fixing/receiving composition, said dye fixing/receiving composition including an amine-containing cationic compound, said dye fixing/receiving composition being disposed upon said first side of said textile substrate, and (ii) a UV absorber, wherein said UV absorber is selected from the group comprising: phenone-containing compounds and azole-containing compounds, thereby forming a treated substrate; and
- (c) applying an ink having an anionic colorant upon said first side of said treated textile substrate to form a printed substrate, thereby facilitating chemical interaction of said anionic colorant with said amine-containing cationic compound;

wherein said amine-containing cationic compound of said treatment mixture comprises a charge density of at least about 2 milliequivalents per gram.

49-57. (Canceled)

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58. (New) The printed article of claim 26 wherein the temperature of said heating step is between about 100 and 150 degrees Centigrade.
59. (New) The printed article of claim 26 wherein said amine-containing cationic compound of said treatment mixture further comprises a reactive group selected from the group consisting of: epoxides, isocyanates, vinylsulphones, and halo-triazines.
60. (New) The printed article of claim 37 wherein the temperature of said heating step is between about 100 and 150 degrees Centigrade.
61. (New) The printed article of claim 37 wherein said amine-containing cationic compound of said treatment mixture further comprises a reactive group selected from the group consisting of: epoxides, isocyanates, vinylsulphones, and halo-triazines.
62. (New) The printed article of claim 48 wherein the temperature of said heating step is between about 100 and 150 degrees Centigrade.
63. (New) The printed article of claim 48 wherein said amine-containing cationic compound of said treatment mixture further comprises a reactive group selected from the group consisting of: epoxides, isocyanates, vinylsulphones, and halo-triazines.

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